

**MULTI-LINE SELECTION DRIVING METHOD FOR A SUPER-TWISTED NEMATIC LIQUID
CRYSTAL DISPLAY HAVING LOW-POWER CONSUMPTION**

Abstract of the Disclosure

5 A driving unit for an STN-LCD receives input image data and generates column
signal functions for selected row lines according to on/off states of pixels, and row signal
functions for the selected row lines according to negative/positive states of row signals.
The driving unit determines a dot product value of the column signal function and the
row signal function to find a mismatch value between the column signal function and the
row signal function, and determines the total number of mismatch values corresponding
10 to the row and column signals to be applied sequentially to the liquid crystal panel.
The driving unit generates column signal voltages in a first driving time period T1
determined according to the total number of mismatch values, and applies the column
signal voltages in period T1 to the column lines when the row signals are applied
respectively to four row lines during the period T1.